GOVERNMENT OF ANDHRAPRADESH
ABSTRACT

IT,E&C Department – Ratification of the three (3) Memorandum of Understanding (MoUs) on Quantum Valley project entered into between the Government of Andhra Pradesh (GoAP) and M/s IBM, M/s TCS, and M/s L&T – Orders –Issued.

INFORMATION TECHNOLOGY, ELECTRONICS & COMMUNICATIONS (INFRA WING) DEPARTMENT

G.O.Ms.No.17 Dated:30.05.2025
Read:

Efile No: ITC01-IT0INFR/1/2025-INFRA (Computer No. 2812834) **–** Ratification of the three (3) Memoranda of Understanding (MoUs) on Quantum Valley project from ITE&C (Infra Wing) Department, Government of Andhra Pradesh.

ORDER:

The Andhra Pradesh Quantum Valley project originated from the state government's vision to position Andhra Pradesh as a leader in cutting-edge technologies, particularly quantum computing. Recognizing the transformative potential of quantum technology across various sectors, the government aimed to create a dedicated ecosystem for research, development, and application in this field. This ambition aligns with the national agenda to advance quantum capabilities under the National Quantum Mission.

2. Inspired by the success of Hyderabad's HITEC City in the Information Technology sector, a similar hub in Amaravati is conceived, with a focus on quantum technologies. The initial groundwork involved strategic discussions and collaborations with leading institutions and industry players. The government engaged with the Indian Institute of Technology (IIT) Madras, Tata Consultancy Services (TCS), and International Business Machines (IBM) to explore potential partnerships and strategies for establishing a quantum computing hub. These preliminary engagements laid the foundation for the formal agreements and the unveiling of the Quantum Valley project in Amaravati.

3. The Andhra Pradesh Quantum Valley project is an ambitious initiative by the government of Andhra Pradesh to establish India's first dedicated hub for quantum computing and technology in Amaravati. Scheduled for inauguration on January 1, 2026, this project aims to position Andhra Pradesh and India as global leaders in this cutting-edge field. In this connection, the Government of Andhra Pradesh (GoAP) formalized Memoranda of Understanding (MoUs) with industry giants IBM, Tata Consultancy Services (TCS), and Larsen & Toubro (L&T) to establish India's inaugural "Quantum Valley Technological (or Tech) Park in Amaravati".

4. The MoUs outline the roles of each partner in building a robust quantum ecosystem:

a. The MoU with **M/s IBM** focuses on the establishment of advanced quantum computing infrastructure within the Quantum Valley Tech Park. A key component of this collaboration is the deployment of IBM's 156-qubit 'Quantum System Two', which will be the most powerful quantum computer accessible in India. The partnership with IBM will also facilitate access to their quantum expertise, research collaborations, and educational resources, fostering a robust quantum ecosystem within the state.

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b. The MoU with **M/s TCS** outlines their role in providing comprehensive quantum computing services and solutions. TCS will leverage its extensive research network and hybrid computing strategies to integrate quantum capabilities with classical computing systems. This partnership aims to drive innovation and develop use cases of public relevance across various sectors, including healthcare, finance and manufacturing, by developing and deploying quantum-enabled applications. TCS will also contribute to talent development in the quantum computing domain through training programs and academic collaborations.

c. The MoU with **M/s L&T Limited** focuses on ushering in its engineering expertise, and project management acumen to the project. It would help enable to use its extensive clientele network to bring new start-ups to the sector.

5. Hence, the Government, after careful examination of the proposal, hereby ratified the Memoranda of Understanding (MoUs) with industry giants IBM, Tata Consultancy Services (TCS), and Larsen & Toubro (L&T) to establish India's inaugural "Quantum Valley Technological (or Tech) Park in Amaravati".

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF ANDHRA PRADESH)

BHASKAR KATAMNENI
SECRETARY TO GOVERNMENT

To:
All the Departments of the Secretariat
All the Heads of the Departments

Copy to:
The Chief Secretary to the Government of Andhra Pradesh
The Secretary to the Chief Minister, CMO
The PS to SIT/SSIT
SC/SF (Computer No.2812834)

//FORWARDED::BY ORDER//

SECTION OFFICER